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Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
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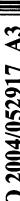
Previous Correction:

see PCT Gazette No. 40/2004 of 30 September 2004, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HLA-A1, A2 -A3,-A24,-B7, AND -B44 TUMOR ASSOCIATED ANTIGEN PEPTIDES AND COMPOSITIONS

(57) Abstract: A peptide or composition comprising at least one epitope or analog from CEA, HER2/neu, MAGE2, MAGE3, or p53.





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INTERNATIONAL SEARCH REPORT

International application No.

		PCT/US03/38949			
IPC(7) US CL According to 1	SIFICATION OF SUBJECT MATTER : A61K 38/00 : 530/328; 514/15 international Patent Classification (IPC) or to both nation	mal classification ar	d IPC		
B. FIELDS SEARCHED					
	numentation searched (classification system followed by 0/328; 514/15	elassification symb	ols)		
Documentation	n searched other than minimum documentation to the e	extent that such docu	ments are included in	n the fields searched	
Electronic dat SEQ ID NO.	a base consulted during the international search (name	of data base and, w	here practicable, sear	ch terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate, of the rele	vant passages	Relevant to claim No.	
X	WO 99/38973 (REED et al) 05 August 1999 (05.08.99), see amino acid residues 61-69 of SEQ ID NO. 211			1	
			nt family annex.	national filing date or priority date	
"A" document defining the general state of the set which is not considered to be of particular relevance		and not in o principle or	and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
"B" earlier application or patent published on or after the international filing date		considered			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		considered with one o			
"P" documen	at published prior to the international filing date but later than the date claimed	"&" document member of the same patent family			
	actual completion of the international search	Date of mailing of the international search report 2 7 APR 2005			
28 March 2005 (28.03.2005) Name and mailing address of the ISA/US Authorized officer					
Ma Con	il Stop PCT, Athr. ISA/US muissioner of Patents	Sheela J. Huti	yana j	NACE	
	7-B01-150	Telephone No57	1272-1600		

Form PCT/ISA/210 (second sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/389/lbi

Box I Observations where certain claims were found unsearchable (Continuation of Item I of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely.				
2. Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claim Nos.: 16 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)				
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet				
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: SEQ ID NO. 42 Remark on Protest				
Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)				



INTERNATIONAL SEARCH REPORT

PCT/US03/38949

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

WO 99/38973 describes SEQ ID NO. 211 which at amino acid residues 61-69 contains the sequence HLFGYSWYK (SEQ ID NO. 42 of the instant application). This reads on claim 1 (a). Specifically it reads on a peptide comprising at least epitope or analog selected from SEQ ID No. 42. SEQ ID NO. 211 of the reference reads on claim 1(a) because (1) "analog" is not defined in the current application so it is assumed to mean a variant with any substitution, addition, deletion in claim 1(a) and (2) "comprising an epitope" reads on SEQ ID NO. 42 plus something else.

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

Within claims 1-15 and 17-31, multiple combinations each of which are a an invention which lack special technical feature from one another.

Applicant is required to chose one (1) epitope or one (1) combination of epitopes and to inform the office as to which claims read on the elected invention.

Due to the large number of possible combination, an exact amount of fees for search of entire application cannot be calculated precisely, but is estimated to be

Each epitope of combinations of epitopes could result in an immune response unique to the epitope or combination and one could not readily expect that substitution of one for another would result in identical immune response.

According to PCT Rule 13.2 and to the guidelines in Section (f)(i)(B)(1) of Annex B of the PCT Administrative Instructions, all alternatives of a Markush Group must have a common structure, which is a significant structural element. Although the claimed SEQ ID No. share a common structure of a single amino acid, the compounds are not regarded as being of similar nature because the shared common structure is not a significant structural element. A common structure of a single amino acid is not a significant structural element because the amino acid is found in every amino acid sequence.

Form PCT/ISA/210 (second sheet) (July 1998)



SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
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